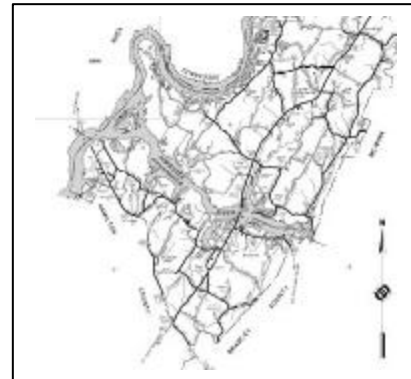


## Meigs County Technical Support Documentation Summary



Meigs County has a land area of 195 square miles and is on the western fringe of the Valley and Ridge physiographic province of the East Grand Division of the State. The predominate wind direction and speed is from the south at 7 to 10 knots.

For the 2001-2003 monitoring period, the ozone monitor 471210104 - 1 located in Meigs County shows an 8-hour design value of 0.088 parts per million (ppm) which would be classified as nonattainment.

Based on projections to 2002 from the 2000 census data, there are 11,310 persons living in Meigs County. This indicates a population density of **58 persons per square mile**. **The population of Meigs County is 100% rural**. The largest cities in Meigs County are Decatur. The population is expected to increase by 4% between 2000 and 2010. Based on the 2002 population data for the entire Chattanooga MSA and Meigs County, Meigs County represents **approximately 2%** of the total Chattanooga MSA population.

Point source NOX emissions from Meigs County were estimated at 0.04 ton/day in 1999 which represents **less than one percent** of the 20.36 ton/day of overall NOX point source emissions from the Chattanooga MSA. Point source VOC emissions were estimated at 0.59 ton/day in 1999 which represents **approximately 1%** of the 62.65 ton/day of overall VOC point source emissions from the Chattanooga MSA.

For NOX and VOC control, point sources located within Meigs County are subject to Prevention of Significant Deterioration (PSD) requirements, Control Technology Guideline Reasonable Available Control Technology (CTG RACT) requirements, Maximum Achievable Control Technology (MACT) requirements for Hazardous Air Pollutants (HAP), and New Source Performance Standards (NSPS).

Mobile source NOX emissions from Meigs County were estimated at 1.29 ton/day in 1999 which represents **approximately 1%** of the 100.31 ton/day of overall NOX mobile source emissions from the Chattanooga MSA. VOC emissions were estimated at 1.80 ton/day in 1999 which represents **approximately 4%** of the 45.94 ton/day of overall VOC mobile source emissions from the Chattanooga MSA. Commuting traffic from surrounding counties into Meigs County is minimal. Commuting traffic from Meigs County into surrounding counties is significant.

Meigs County presents a unique situation. The Meigs County ozone monitor, located in the southwest corner of the county suggests a possible nonattainment area with a reading of 0.088 ppm for the 2001-2003 (tentative ozone data). Similarly, **there are virtually no stationary NOX or VOC sources** in the county. Another factor making this a particularly unique situation is the shape of the county. **A long and narrow county trending northeast to southwest, some of Meigs County is far removed from the urban area of Chattanooga**. Preliminary information suggests that a division at or near the **Hiwassee River** may be the best geo-political boundary for a **partial county** recommendation of nonattainment with the remainder of the county being attainment. The air monitor in Meigs County is located at the county line adjacent to Hamilton County. For this reason **the area southwest of the Hiwassee River may be the portion of Meigs County designated nonattainment**.